

CHARGE NUMBER: 1802

PROGRAM TITLE: Expanded Stems

PROJECT LEADER: L. R. Turano

WRITTEN BY: J. M. Whitman

PERIOD COVERED: May 5 - June 5, 1973

DATE OF REPORT: June 12, 1973

I. Westab Expanded Stem Facility

Buildup of stem material occurs at both the inlet feed section and the first elbow. The 18" plexiglass tower is being installed in the R&D pilot plant to study stem flow patterns and evaluate the use of different deflectors to alter the flow and prevent the buildup.

II. Swiss Expanded Stem Facility

The expansion level of the Swiss product began steadily decreasing during the week of May 28. The cause of this problem could not be determined by the Swiss. Messrs. Turano and Knight have returned to Switzerland to investigate.

III. Comparison of Westab and R&D Towers

A program is underway to compare the products from the Westab and R&D towers using the same starting batches of:

1. Long, bright stems.
2. Blend of 67% long, 33% short, bright stems.
3. Bright cased filler.

The test on long, bright stems has been completed. Data are given below:

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| <u>Tower</u> | <u>% O.V.</u> | <u>Reducing* Sugar</u> | <u>Total* Alkaloids</u> | <u>C.V.</u> | <u>% O.V.</u> |
|--------------|---------------|----------------------------|-----------------------------|-------------|---------------|
| R&D | 8.5 | 11.5 | 0.48 | 47.1 | 13.3 |
| Westab | 11.6 | 11.6 | 0.49 | 45.3 | 13.1 |

* Dry Weight Basis

Cigarettes made with each product are being made by the
Total Utilization Group.

J. M. Whitman/jj
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